

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A lithium ion secondary battery comprising: a positive electrode including a positive electrode active material comprising a lithium-containing composite oxide, a conductive material and a binder;

a negative electrode; and

a non-aqueous electrolyte,

wherein said lithium-containing composite oxide has a structure of lithium cobaltate where Co atoms are partially substituted by Na and/or K atoms and is represented by the chemical formula:



where M is at least one element selected from the group consisting of Na and K, and the values a, b, c, x, y and z respectively satisfy $0 \leq a \leq 1.05$, $0.005 \leq x \leq 0.15$, $0.0001 \leq y \leq 0.01$, $0.0002 \leq z \leq 0.008$, $0.85 \leq b \leq 1.1$ and $1.8 \leq c \leq 2.1$.

2. (Original) The lithium ion secondary battery in accordance with claim 1, wherein said binder comprises polyvinylidene fluoride having a mean molecular weight of 150000 to 350000.

3. (New) The lithium ion secondary battery in accordance with claim 1, wherein said negative electrode includes a composite material comprising a core particle of graphite and amorphous carbon covering at least a part of the surface of said core particle as a negative electrode material.